

Introduction

The Hospital Based Home Care (HBHC) package includes data entry/editing capabilities, electronic record transmission to Austin using MailMan, and report generation.

The package was developed to allow local entry and verification of HBHC related patient data and phase out the centralized data entry of all HBHC data by Austin. The "local" database structure gives the HBHC program greater accountability for the integrity of their data, thus eliminating the manual correction cycle required to resolve a data entry error at Austin.

Each site will transmit complete records of HBHC patient information to Austin for processing. Austin will continue to generate the same HBHC quarterly reports; only the source of data will have changed.

Having their database on-line locally provides report generation capabilities not currently available to the HBHC Programs. The quality of care should improve due to more timely patient information.

Additional HBHC package documentation may be found in the following manuals: HBHC Installation Guide, HBHC User Manual, and HBHC Package Security Guide.

Orientation

This package uses the mandated VA FileMan conventions which are explained in separate publications of the San Francisco ISC, **USER'S GUIDE TO COMPUTING**, and the **VA FILEMAN USER MANUAL**. For further assistance, contact your local ISC.

Orientation

Convention	Represents
<RET>	press return or enter key
^	used for exiting an option or prompt

Implementation and Maintenance

See the HBHC Installation Guide for information concerning:

- DHCP software and file requirements
- Data storage requirements
- HBHC system parameter entry
- File entries required to make the package operational
- File access recommendations
- Menu and key assignments

Routine Descriptions

Name	Description
BHCADM	Evaluation/admission data entry, obtains demographic data from ^DPT file, calls ACTION^HBHCUTL, BIRTHYR^HBHCUTL1, SEXRACE^HBHCUTL1.
HBHCAPPT	Populate HBHC Visit file with MAS scheduling module information.
HBHCCAN	Update HBHC Visit file with cancellation information from MAS scheduling module.
HBHCDIS	Discharge data entry, calls STATUS^HBHCUTL from [HBHC DISCHARGE] template.
HBHCEDSP	Edit system parameter, Number of Visit Days to Scan.
HBHCFILE	Populate ^HBHC(634), Austin transmit file, calls ^HBHCXMC, ^HBHCXMA, ^HBHCXMV, and ^HBHCXMD.
HBHCNTEG	Routine integrity checker.
HBHCRP1	Print Form Errors Report, errors found during record verification when building transmission (634) file, uses files 634.1, 634.2, and 634.3, sorted by patient name and includes: patient name, social security number, form, and corresponding date.
HBHCRP10	Print Program Census Report, all active (admitted but not discharged) cases, by date range, uses file 631, sorted by patient name, and includes: patient name, social security number, and admission date.
HBHCRP11	Print Team Census Report, all active (admitted but not discharged) cases, by date range, uses file 631, sorted by HBHC Team, then by patient name, and includes: patient name, social security number, admission date, and totals by team and for all.
HBHCRP12	Print Episode of Care/Length of Stay Report, by date range, uses file 631, sorted by patient name, and includes: patient name, social security number, admission date, discharge date, and length of stay.

Name	Description
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BHCRP13	This option prints the HBHC QA Indicator Report. The user is prompted to enter the date range for inclusion on the report. The report is sorted by patient name and includes: Patient Name, SSN, Visit Date, and QA Indicator. Report prints in 80 column format.

HBHCRP2	Print Evaluation/Admission Data Report for individual patient, uses file 631, and includes: all Form 3 fields plus case manager.

HBHCRP3	Print Patient Visit Data Report for individual patient, by date range, uses file 632, and includes: all Form 4 fields.

HBHCRP4	Print Visit by Date Range Report, uses file 632, sorted by provider number, then by visit date, and includes: all Form 4 fields and total visits.

HBHCRP5	Print Patient Discharge Data Report for individual patient, uses file 631, and includes: all Form 5 fields.

HBHCRP6	Print Case Manager Census Report, printed for all or individual case manager(s), by date range, uses file 631, sorted by case manager name, then by patient name, and includes: case manager name, patient name, social security number, admission date, street address, city, ZIP code, and phone with totals by case manager and for all, calls ^HBHCUTL2 (Note: all address information obtained from Patient (2) file, since street address, city, and phone not stored by HBHC).

HBHCRP7	Print Admissions/Discharges by Date Range Report, by date range, user selects admission or discharge, uses file 631, and includes: admission/discharge date, patient name, social security number, primary diagnosis @ admission/discharge, diagnosis text, and total admissions/discharges.

HBHCRP8	Print HBHC Provider File Report, uses file 631.4, sorted by provider name, and includes: provider name, provider number, degree, grade/step, FTEE on HBHC, and HBHC Team.

Name	Description
HBHCRP9	Print Provider Census Report, printed for all or individual provider(s), by date range, uses file 632, sorted by provider name, then by patient name, and includes: provider name, patient name, social security number, admission date, street address, city, ZIP code, and phone with totals by provider and for all, calls ^HBHCUTL2 (Note: all address information obtained from Patient (2) file, since street address, city, and phone not stored by HBHC).
HBHCRXMT	Re-transmit previous mail message batch using ^HBHC(634) file data.
HBHCUPD	Update missing/erroneous data found during record verification when building transmission (634) file, uses files 634.1, 634.2, and 634.3 as input for which records/fields to update.
HBHCUTL	Utility module, entry points: ACTION, STATUS, START, TODAY, HDRPAGE, HDRRANGE, HDR132, and HDR132NR.
HBHCUTL1	Utility module, entry points: ENDRPT, END132, FORMMSG, BIRTHYR, and SEXRACE.
HBHCUTL2	Utility module, entry points: EN (called by ^HBHCRP6 and ^HBHCRP9).
HBHCXMA	Populate ^HBHC(634), Austin transmit file, with evaluation/admission data, or ^HBHC(634.1) file of records in ^HBHC(631) containing missing/erroneous data, called by ^HBHCFILE, calls ^HBHCXMA1.
HBHCXMA1	Called by ^HBHCXMA.
HBHCXMC	Populate ^HBHC(634), Austin transmit file, with Form 6 Correction data, called by ^HBHCFILE.
HBHCXMD	Populate ^HBHC(634), Austin transmit file, with discharge data, or ^HBHC(634.3) file of records in ^HBHC(631) containing missing/erroneous data, called by ^HBHCFILE, calls ^HBHCXMD1.
HBHCXMD1	Called by ^HBHCXMD.

Routine Descriptions

Name	Description
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HBHCXMT	Create and transmit MailMan message(s) (maximum message size is 100 records @ 125 characters each) to Austin from ^HBHC(634) file data.
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HBHCXMV	Populate ^HBHC(634), Austin transmit file, with visit data, or ^HBHC(634.2) file of records in ^HBHC(632) containing missing data, called by ^HBHCFILE.
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File List and Descriptions

All files are stored in the HBHC global.

File Number/Name	Description	Data (Y/N)
631	HBHC PATIENT Contains demographic, admission, discharge, and record transmission data.	N
631.1	HBHC REJECT/WITHDRAW REASON Contains Reject/Withdraw Reason data, is referenced by HBHC Patient file, existing file data will be overwritten during installation, do not add to or edit this file.	Y
631.2	HBHC EXPRESSIVE COMMUNICATION Contains Expressive Communication data, is referenced by HBHC Patient file, existing file data will be overwritten during installation, do not add to or edit this file.	Y
631.3	HBHC RECEPTIVE COMMUNICATION Contains Receptive Communication data, is referenced by HBHC Patient file, existing file data will be overwritten during installation, do not add to or edit this file.	Y
631.4	HBHC PROVIDER Contains HBHC Provider data, provider must exist in New Person file, is referenced by HBHC Visit file.	N
631.5	HBHC TYPE OF VISIT Contains HBHC Type of Visit data, is referenced by HBHC Visit file, existing file data will be overwritten during installation, do not add to or edit this file.	Y
631.6	HBHC CLINIC Contains HBHC Clinic data, clinic must exist in Hospital Location file, is referenced by HBHC Visit file.	N
631.7	HBHC PERIOD OF SERVICE Contains HBHC Period of Service data, is referenced by HBHC Patient file, existing file data will be overwritten during installation, do not add to or edit this file.	Y

File Number/Name	Description	Data(Y/N)
631.8	HBHC VALID STATE CODE	N
	Contains State codes that are site specific for the HBHC program. All States selected must exist in the State file (#5).	
631.9	HBHC SYSTEM PARAMETERS	Y
	Contains HBHC System Parameter data, Package Name is exported with the file and is uneditable, Last Mail Message Date is maintained by package and is uneditable, Package Startup Date parameter is entered by IRM when package is originally installed, and is uneditable, the Number of Visit Days to Scan parameter may be edited by the application coordinator, file data will be merged with existing file data during installation, file contains only 1 record, do not add to this file .	
632	HBHC VISIT	N
	Contains HBHC visit and record transmission data.	
633	HBHC TEAM	N
	Contains HBHC Team name, is referenced by HBHC Provider file.	
634	HBHC TRANSMIT	N
	Contains admission, visit, discharge and correction records for transmission to Austin.	
634.1	HBHC EVALUATION/ADMISSION ERROR(S)	N
	Contains records with missing/erroneous evaluation/admission data found during record verification for transmission to Austin.	
634.2	HBHC VISIT ERROR(S)	N
	Contains records with missing visit data found during record verification for transmission to Austin.	
634.3	HBHC DISCHARGE ERROR(S)	N
	Contains records with missing/erroneous discharge data found during record verification for transmission to Austin.	
634.4	HBHC FORM 6 CORRECTIONS	N
	Contains HBHC Form 6 Correction records for transmission to Austin.	

Menus

HBHC Information System Menu

Make Appointment
Cancel Appointment
Evaluation/Admission Data Entry
Visit Data Entry
Discharge Data Entry
Reports Menu ...
Transmission Menu ... Locked: HBHC TRANSMIT
Manager Menu ... Locked: HBHC MANAGER

Reports Menu ...

Evaluation/Admission Data Report by Patient (80)*
Patient Visit Data Report (80)
Discharge Data Report by Patient (80)
Episode of Care/Length of Stay Report (80)
Program Census Report (80)
Team Census Report (80)
Case Manager Census Report (132)
Provider Census Report (132)
Admissions/Discharges by Date Range Report (132)
Visit Data by Date Range Report (80)
QA Indicator Report (80)

Transmission Menu ...

Build/Verify Transmission File
Form Errors Report (80)
Edit Form Errors Data
Transmit File to Austin

Manager Menu ...

System Parameters Edit
Provider File Data Entry
Clinic File Data Entry
Team File Data Entry
HBHC Provider File Report (132)
Re-Transmit File to Austin

Menus

* indicates number of columns required for report

See Menu Diagram on the following pages.

HBHC Information System Menu (HBHC INFORMATION SYSTEM MENU)

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----- Make Appointment [HBHC
      APPOINTMENT]
      **ENTRY ACTION:
      K ORACTION,ORVP,XQORQUIT
      **EXIT ACTION:
      D SDM^SDKILL K
      ORACTION,ORVP,XQORQUIT W
      !!,"Adding entries to the
      visit file..." D
      WAIT^DICD,^HBHCAPPT

----- Cancel Appointment [HBHC
      CANCEL APPOINTMENT]
      **EXIT ACTION:
      D SDCNP^SDKILL W !!,"Updating
      entries in the visit file..."
      D WAIT^DICD,^HBHCCAN

----- Evaluation/Admission Data
      Entry [HBHCADM]

----- Visit Data Entry [HBHC VISIT]
      **ENTRY ACTION:
      S X="T" D ^%DT S X1=Y
      X2=-$P(^HBHC(631.9,1,0),U,4)
      D C^%DTC S HBHCSLDT=X
      **EXIT ACTION:
      K HBHCSLDT

----- Discharge Data Entry [HBHCDIS]

----- Reports Menu [HBHC REPORTS --
      MENU]
      |
      |----- Patient Visit Data Report
      |              (80) [HBHCRP3]
      |
      |----- Discharge Data Report by
      |              Patient (80) [HBHCRP5]
      |
      |----- Episode of Care/Length of Stay
      |              Report (80) [HBHCRP12]

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Menu Diagram

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----- Program Census Report (80)
           [HBHCRP10]

----- Team Census Report (80)
           [HBHCRP11]

----- Case Manager Census Report
           (132) [HBHCRP6]

----- Provider Census Report (132)
           [HBHCRP9]

----- Admissions/Discharges by Date
           Range Report (132) [HBHCRP7]

----- Visit Data by Date Range
           Report (80) [HBHCRP4]

----- QA Indicator Report (80)
           [HBHCRPT13]

---- Transmission Menu [HBHC TRANSMISSION MENU]
**LOCKED: HBHC TRANSMIT**
----- Build/Verify Transmission File
           [HBHCFILE]

----- Form Errors Report (80)
           [HBHCRP1]

----- Edit Form Errors Data
           [HBHCUPD]

----- Transmit File to Austin
           [HBHCXMT]

---- Manager Menu [HBHC MANAGER MENU]
**LOCKED: HBHC MANAGER**
----- System Parameters Edit [HBHC
           EDIT SYSTEM PARAMETERS]

----- Provider File Data Entry [HBHC
           EDIT PROVIDER (631.4)]

----- Clinic File Data Entry [HBHC
           EDIT CLINIC (631.6)]

----- Team File Data Entry [HBHC
           EDIT HBHC TEAM (633)]

----- HBHC Provider File Report
           (132) [HBHCRP8]

----- Re-Transmit File to Austin
           [HBHCRXMT]

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Exported Options

Name	Description	Menu Text
=====		
HBHC APPOINTMENT	Mimics MAS scheduling option, Make Appointment [SDM] functionality, for entering appointment data. The Exit Action runs a routine that creates records in HBHC Visit (632) file, using appointment data entered.	Make Appointment

HBHC CANCEL APPOINTMENT	Mimics MAS scheduling option, Cancel Appointment [SD CANCEL APPOINTMENT] functionality, for canceling appointments. The Exit Action runs a routine that updates records in HBHC Visit (632) file, using cancellation data entered.	Cancel Appointment

HBHC EDIT CLINIC (631.6)	Allows entering/editing of clinic data in HBHC Clinic (631.6) file.	Clinic File Data Entry

HBHC EDIT HBHC TEAM (633)	Allows entering/editing of team data in HBHC Team (633) file.	Team File Data Entry

HBHC EDIT PROVIDER (631.4)	Allows entering/editing of provider data in HBHC Provider (631.4) file.	Provider File Data Entry

HBHC EDIT SYSTEM PARAMETERS	Allows editing of Number of Visit Days to Scan parameter in HBHC System Parameters (631.9) file. This parameter is used as a starting point of how many days to include when records are created in HBHC Visit (632) file using appointment data entered via Make Appointment [HBHC APPOINTMENT] option. This parameter also controls number of days included in date range displayed for selection during HBHC Visit file lookup process.	System Parameters Edit
Package Name parameter is exported with the file and is uneditable.		
Last Mail Message Date parameter is used for tracking when last transmission to Austin took place. This parameter is uneditable.		
Package Startup Date parameter represents earliest allowable date for visit data being transmitted to Austin. This date is entered by IRM personnel when package is loaded and is uneditable.		

Exported Options

Name	Description	Menu Text
HBHC INFORMATION SYSTEM MENU	HBHC main menu.	HBHC Information System Menu
HBHC MANAGER MENU	HBHC manager menu, locked with HBHC MANAGER security key.	Manager Menu
HBHC REPORTS MENU	HBHC reports menu.	Reports Menu
HBHC TRANSMISSION MENU	HBHC transmission menu, locked with HBHC TRANSMIT security key.	Transmission Menu
HBHC VISIT	Allows entering/editing of visit data in HBHC Visit (632) file. LAYGO is not allowed on visit file; only records created utilizing appointment data entered via Make Appointment [HBHC APPOINTMENT] option may be edited.	Visit Data Entry
HBHCADM	Allows entering/editing of evaluation/admission data in HBHC Patient (631) file.	Evaluation/Admission Data Entry
HBHCDIS	Allows entering/editing of discharge data in HBHC Patient (631) file.	Discharge Data Entry

Name	Menu Text
Description	
HBHCFILE	Build/Verify Transmission File
Builds HBHC Transmission data (634) file used to transmit to Austin. Records included in file are verified for completeness and validity.	
Records with errors/omissions are written to another file and must be corrected before transmission is allowed. Once corrected, option must be run again to add corrected records to transmit file. This process (build file, print error report, correct errors, add corrected records via build file) may be repeated as necessary until all records are included in Transmit file.	
HBHCRP1	Form Errors Report (80)
Prints Form Errors Report, errors found during record verification when building transmission file, uses files 634.1, 634.2, and 634.3, sorted by patient name and includes: patient name, social security number, form, and corresponding date. Report prints in 80 column format.	
HBHCRP10	Program Census Report (80)
Prints Program Census Report, all active (admitted but not discharged) cases, by date range, uses file 631, sorted by patient name, and includes: patient name, social security number, and admission date. Report prints in 80 column format.	
HBHCRP11	Team Census Report (80)
Prints Team Census Report, all active (admitted but not discharged) cases, by date range, uses file 631, sorted by HBHC Team, then by patient name, and includes: patient name, social security number, admission date, and totals by team and for all. Report prints in 80 column format.	
HBHCRP12	Episode of Care/Length of Stay Report (80)
Prints Episode of Care/Length of Stay Report, by date range, uses file 631, sorted by patient name, and includes: patient name, social security number, admission date, discharge date, and length of stay. Report prints in 80 column format.	
HBHCRP13	QA Indicator Report (80)
This option prints the HBHC QA Indicator Report. The user is prompted to enter the date range for inclusion on the report. The report is sorted by patient name and includes: Patient Name, SSN, Visit Date, and QA Indicator. Report prints in 80 column format.	

Name	Menu Text
Description	
HBHCRP2	Evaluation/Admission Data Report by Patient (80)
Prints Patient Evaluation/Admission Data Report for individual patient, uses file 631, and includes: all Form 3 fields plus case manager. Report prints in 80 column format.	
HBHCRP3	Patient Visit Data Report (80)
Prints Patient Visit Data Report for individual patient, by date range, uses file 632, and includes: all Form 4 fields. Report prints in 80 column format.	
HBHCRP4	Visit Data by Date Range Report (80)
Prints Visit by Date Range Report, uses file 632, sorted by provider number, then by visit date, and includes: all Form 4 fields and total visits. Report prints in 80 column format.	
HBHCRP5	Discharge Data Report by Patient (80)
Prints Patient Discharge Data Report for individual patient, uses file 631, and includes: all Form 5 fields. Report prints in 80 column format.	
HBHCRP6	Case Manager Census Report (132)
Prints Case Manager Census Report, printed for all or individual case manager(s), by date range, uses file 631, sorted by case manager name, then by patient name, and includes: case manager name, patient name, social security number, admission date, street address, city, ZIP code, and phone with totals by case manager and for all, calls ^HBHCUTL2. Report prints in 132 column format. (Note: All address information obtained from Patient (2) file, since street address, city, and phone not stored by HBHC.)	
HBHCRP7	Admissions/Discharges by Date Range Report (132)
Prints Admissions/Discharges by Date Range Report, by date range, user selects admission or discharge, uses file 631, and includes: admission/discharge date, patient name, social security number, primary diagnosis @ admission/discharge, diagnosis text, and total admissions/discharges. Report prints in 132 column format.	

Name	Description	Menu Text
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BHCRP8	HBHC Provider File Report (132) Prints Provider File Report, uses File 631.4, sorted by provider name, and includes: provider name, provider number, degree, grade/step, FTEE on HBHC, and HBHC Team. Report prints in 132 column format.	

HBHCRP9	Provider Census Report (132) Prints Provider Census Report, printed for all or individual provider(s), by date range, uses file 632, sorted by provider name, then by patient name, and includes: provider name, patient name, social security number, admission date, street address, city, ZIP code, and phone with totals by provider and for all, calls ^HBHCUTL2. Report prints in 132 column format. (Note: All address information obtained from Patient (2) file, since street address, city, and phone not stored by HBHC.)	

HBHCRXMT	Re-transmit File to Austin Re-transmit previous mail message batch using HBHC Transmit (634) file data.	

HBHCUPD	Edit Form Errors Data Update missing/erroneous data found during record verification when building transmission (634) file, uses Files 634.1, 634.2, and 634.3 as input for which records/fields to update.	

HBHCXMT	Transmit File to Austin Create and transmit MailMan message(s) (maximum message size is 100 records @ 125 characters each) to Austin from HBHC Transmit (634) file data.	

Menu Distribution and Security Key Assignment

The HBHC Information System menu is the package main menu and may be given to all users of the HBHC package. Reports Menu can be assigned by itself, if printed reports are the only package capabilities needed by a user.

The Transmission Menu option is locked with the HBHC TRANSMIT security key. It is suggested that this key should be given only to those persons directly responsible for transmitting data to Austin and to the application coordinator.

The Manager Menu option is locked with the HBHC MANAGER security key. It is suggested that this key should only be held by the application coordinator.

Cross-References

File Number/Name
Cross-References

631 HBHC PATIENT

- AC cross-ref, Discharge Date (39)
- AD cross-ref, Admission Date (17)
- AE cross-ref, Form 3 Transmit Status (71)
field updated by package only, no user input
- AF cross-ref, Form 5 Transmit Status (72)
field updated by package only, no user input
- AG cross-ref, Form 3 Mail Message Date (75)
field updated by package only, no user input
- AH cross-ref, Form 5 Mail Message Date (78)
field updated by package only, no user input
- standard B cross-ref, Name (.01)

631.1 HBHC REJECT/WITHDRAW REASON

- standard B cross-ref, Code (.01)

631.2 HBHC EXPRESSIVE COMMUNICATION

- standard B cross-ref, Text (.01)

631.3 HBHC RECEPTIVE COMMUNICATION

- standard B cross-ref, Text (.01)

631.4 HBHC PROVIDER

- standard B cross-ref, Number (.01)
- C cross-ref, Provider Name (1)
field references New Person (200) file

631.5 HBHC TYPE OF VISIT

- standard B cross-ref, Text (.01)

631.6 HBHC CLINIC

- standard B cross-ref, Name (.01)

631.7 HBHC PERIOD OF SERVICE

- standard B cross-ref, Code (.01)

631.8 HBHC VALID STATE CODE

- standard B cross-ref, Number (.01)

631.9 HBHC SYSTEM PARAMETERS

- standard B cross-ref, Package Name (.01)

File Number/Name

Cross-reference(s)

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632 HBHC VISIT

- AC cross-ref, Form 4 Transmit Status (7)
field updated by package only, no user input
- AD cross-ref, Form 4 Mail Message Date (10)
field updated by package only, no user input
- standard B cross-ref, Patient Name (.01)
- C cross-ref, Date (1)
field updated by package only, no user input

633 HBHC TEAM

- standard B cross-ref, Name (.01)

634 HBHC TRANSMIT

- standard B cross-ref, Transmit Record (.01)
field updated by package only, no user input

634.1 HBHC EVALUATION/ADMISSION ERROR(S)

- standard B cross-ref, Patient Name (.01)
field updated by package only, no user input

634.2 HBHC VISIT ERROR(S)

- standard B cross-ref, Patient Name (.01)
field updated by package only, no user input

634.3 HBHC DISCHARGE ERROR(S)

- standard B cross-ref, Patient Name (.01)
field updated by package only, no user input

634.4 HBHC FORM 6 CORRECTIONS

- standard B cross-ref, Correction Transmit Record
(.01)
field updated by package only, no user input

File Diagram

File/Package: HOSPITAL BASED HOME CARE Date: JUN 30,1993

FILE (#) POINTER FIELD	POINTER TYPE	(#) FILE POINTER FIELD	FILE POINTED TO

L=Laygo *=Truncated	S=File not in set m=Multiple	N=Normal Ref. v=Variable Pointer	C=Xref.

HBHC EVALUATION/ADMI (#634.1)			
HBHC EVALUATION (N)->		631 HBHC PATIENT	
HBHC DISCHARGE ERROR (#634.3)		NAME	-> PATIENT
HBHC DISCHARGE (N)->		STATE CODE	-> HBHC VALID STAT*
		PERIOD OF SERV*	-> HBHC PERIOD OF *
		REJECT/WITHDRA*	-> HBHC REJECT/WIT*
		PRIMARY DIAGNO*	-> ICD DIAGNOSIS
		EXPRESSIVE COM*	-> HBHC EXPRESSIVE*
		RECEPTIVE COMM*	-> HBHC RECEPTIVE *
		PERSON COMPLET*	-> HBHC PROVIDER
		PRIMARY DIAGNO*	-> ICD DIAGNOSIS
		EXPRESSIVE COM*	-> HBHC EXPRESSIVE*
		RECEPTIVE COMM*	-> HBHC RECEPTIVE *
		PERSON COMPLET*	-> HBHC PROVIDER
		CASE MANAGER	-> HBHC PROVIDER
		FORM 3 TRANSMI*	-> NEW PERSON
		FORM 5 TRANSMI*	-> NEW PERSON

HBHC PATIENT (#631)			
REJECT/WITHDRAW REASON (N)->		631.1 HBHC REJE*	

HBHC PATIENT (#631)			
EXPRESSIVE COMMUNICATI* (N)->		631.2 HBHC EXPR*	
EXPRESSIVE COMMUNICATI* (N)->			

HBHC PATIENT (#631)			
RECEPTIVE COMMUNICATIO* (N)->		631.3 HBHC RECE*	
RECEPTIVE COMMUNICATIO* (N)->			

HBHC PATIENT (#631)			
PERSON COMPLETING EVL/* (N)->		631.4 HBHC PROV*	

PERSON COMPLETING D/C * (N)->		PROVIDER NAME	-> NEW PERSON
CASE MANAGER (N)->		HBHC TEAM	-> HBHC TEAM
HBHC VISIT (#632)			
PROVIDER (N)->			

File Diagram

File/Package: HOSPITAL BASED HOME CARE Date: JUN 30,1993

FILE (#) POINTER FIELD	POINTER TYPE	(#) FILE POINTER FIELD	FILE POINTED TO
HBHC VISIT (#632) TYPE OF VISIT (N)->		631.5 HBHC TYPE*	
		631.6 HBHC CLIN* NAME	-> HOSPITAL LOCATI*
HBHC PATIENT (#631) PERIOD OF SERVICE (N)->		631.7 HBHC PERI*	
HBHC PATIENT (#631) STATE CODE (N)->		631.8 HBHC VALI* NUMBER	-> STATE
		631.9 HBHC SYST* HOSPITAL NUMBER	-> INSTITUTION
HBHC VISIT ERROR(S) (#634.2) HBHC VISIT (N)->		632 HBHC VISIT PATIENT NAME CLINIC NUMBER PROVIDER TYPE OF VISIT FORM 4 TRANSMI*	-> PATIENT -> HOSPITAL LOCATI* -> HBHC PROVIDER -> HBHC TYPE OF VI* -> NEW PERSON
HBHC PROVIDER (#631.4) HBHC TEAM (N)->		633 HBHC TEAM	
		634.1 HBHC EVAL* PATIENT NAME HBHC EVALUATION	-> PATIENT -> HBHC PATIENT
		634.2 HBHC VISI* PATIENT NAME HBHC VISIT	-> PATIENT -> HBHC VISIT
		634.3 HBHC DISC* PATIENT NAME HBHC DISCHARGE	-> PATIENT -> HBHC PATIENT

Archiving and Purging

The HBHC package contains no archiving or purging capabilities at the present time.

Callable Routines

The HBHC package contains no callable routines.

External Relations

Software

This version of the HBHC package can only be run with a standard MUMPS operating system. It also requires the following VA application software:

VA FileMan	version 19 or later
Kernel	version 7 or later
MailMan	version 7 or later
MAS	version 5.1 or later

Please note that none of this software is included in this release and that it must be installed before the HBHC version 1.0 package can run on your system.

HBHC options: Make Appointment [HBHC APPOINTMENT], and Cancel Appointment [HBHC CANCEL APPOINTMENT], mimic the functionality of MAS scheduling options: Make Appointment [SDM] and Cancel Appointment [SD CANCEL APPOINTMENT], which call MAS routines SDM and SDCNP respectively.

Files

The following DHCP files are pointed to by the HBHC package:

File Number/Name	Usage
2	Patient
5	State
44	Hospital Location
80	ICD Diagnosis
200	New Person
	Used by Form 3 Transmit Flag Edit DUZ and Form 5 Transmit Flag Edit DUZ fields in HBHC

Patient file (631), Form 4 Transmit Flag Edit DUZ
field in HBHC Visit file (632), and Provider Name
field in HBHC Provider file (631.4)

Integration Agreements

A sharing agreement (DBIA# 261) has been established between Hospital Based Home Care and MAS. This agreement consists of the following:

1) The HBHC system will incorporate several routine entry points from the MAS namespace for the HBHC scheduling options. These options and their points of entry into the MAS environment are as follows:

a) HBHC Make Appointment

Entry Action: D:\$T(HDLKILL^SDAMEVT)]"" HDLKILL^SDAMEVT

Run Routine: D ^SDM

Exit Action: D SDM^SDKILL

b) HBHC Cancel Appointment

Entry Action: D:\$T(HDLKILL^SDAMEVT)]"" HDLKILL^SDAMEVT

Run Routine: D ^SDCNP

Exit Action: D SDCNP^SDKILL

2) The "S" cross reference of the global "^SC(" is also employed in the HBHC routine HBHCAPPT and is referenced as follows:

\$O(^SC(HBHCCLN,"S",HBHCAPDT))

\$O(^SC(HBHCCLN,"S",HBHCAPDT,1,HBHCSCN))

A sharing agreement (DBIA# 280) between Hospital Based Home Care and the DRG Grouper for read access of the name field (.01) of the "^ICD9(" global was granted on September 13,1993.

HBHC and the PATIENT File have also established a sharing agreement for read access to the following fields:

Field #	Name

--	
.01	Name
.02	Sex
.03	Date of Birth
.05	Marital Status
.06	Race
.131	Phone Number [Residence]
.323	Period of Service
.361	Primary Eligibility Code

All seven fields in the .11 node (address information).

In addition a reference is made to the "S" cross-reference of the "^DPT(" global in the routine HBHCCAN.

Internal Relations

All of the HBHC package options have been designed to stand alone with the following considerations/exceptions:

- Make Appointment [HBHC APPOINTMENT] and/or Cancel Appointment [HBHC CANCEL APPOINTMENT] options are a prerequisite to use of the Visit Data Entry [HBHC VISIT] option. An Exit Action on Make Appointment and Cancel Appointment options uses the data entered via these options to create/update records in the HBHC Visit file, thus eliminating duplicate data entry. LAYGO is not allowed on the HBHC Visit file; all entries are created via the Make Appointment Exit Action mechanism.
- Transmission Menu options were designed to work together as a logical unit. The Build/Verify Transmission File option should be run first, all errors found during verification must be corrected, prior to transmission being allowed. Build File, Print Report, Edit Errors option sequence may be repeated as necessary until all records are valid, then Transmit File to Austin may be run.

The above considerations/exceptions should not produce an error, but may not produce the desired results, if the options are NOT used as intended. If the Transmit File to Austin option is run prior to the Build/Verify Transmission File option, the user will receive the message, "No data on file to transmit.", if no transmissions to Austin have taken place. If there have been previous transmissions, the same data transmitted in the most recent transmission will be transmitted again, thus creating duplication at Austin. Users should be cautioned to the duplication possibility and be accountable for using transmission options as intended.

Package-wide Variables

The HBHC routines do not use package-wide variables.

Note: See "Variables Used" section in this manual for listing of variables used by HBHC package and what they represent.

Variables Used

Variable	Represents
HBHC	scratch
HBHC12	discharge status of 1 or 2
HBHC359	discharge status of 3, 5, or 9
HBHC3XMT	form 3 transmit status
HBHC5XMT	form 5 transmit status
HBHCACTN	action
HBHCAD	admission date
HBHCADDT	admission date
HBHCADTA	adaptive tasks @ admission
HBHCADTD	adaptive tasks @ discharge
HBHCAFLG	admission data flag
HBHCAGCY	agency
HBHCAPDT	appointment date
HBHCBEG1	beginning date 1
HBHCBEG2	beginning date 2
HBHCBGDT	beginning date
HBHCBHVA	behavior problems @ admission
HBHCBHVD	behavior problems @ discharge
HBHCBLDA	bladder continence @ admission
HBHCBLDD	bladder continence @ discharge
HBHCBTHA	bathing @ admission
HBHCBTHD	bathing @ discharge
HBHCBWLA	bowel continence @ admission
HBHCBWLD	bowel continence @ discharge
HBHCBXRFB	cross-reference
HBHCBYR	birth year
HBHCC	column
HBHCCAN	cancel
HBHCCARE	last agency providing care
HBHCCL	clinic
HBHCCLM1	column 1
HBHCCLN	clinic
HBHCCNT	count
HBHCCNTY	county
HBHCCOLM	column
HBHCCONT	continue flag
HBHCDAT	date
HBHCDATE	date
HBHCDAYS	days

Variables Used

HBHCDDTA	discharge data flag
HBHCDEST	destination
HBHCDFLG	discharge data flag
HBHCDFLT	default
HBHCDFN	data file number
HBHCDIED	died flag
HBHCDPT	DPT (patient)
HBHCDPT0 DPT	node 0 (patient file)
HBHCDPTADPT	address node (patient file)
HBHCDR1	DR string 1
HBHCDR2	DR string 2
HBHCDR3	DR string 3
HBHCDR4	DR string 4
HBHCDR5	DR string 5
HBHCDRSA	dressing @ admission
HBHCDRSD	dressing @ discharge
HBHCDS	discharge date
HBHCSDT	discharge date
HBHCDSOA	disorientation @ admission
HBHCDSOD	disorientation @ discharge
HBHCDT	date
HBHCDTE	date
HBHCDXPC	diagnosis piece
HBHCEATA	eating @ admission
HBHCEATD	eating @ discharge
HBHCEL	eligibility
HBHCELGA	eligibility @ admission
HBHCELGD	eligibility @ discharge
HBHCEND1	ending date 1
HBHCEND2	ending date 2
HBHCENDT	ending date
HBHCEVDT	evaluation date
HBHCEXCA	expressive communication @ admission
HBHCEXCD	expressive communication @ discharge
HBHCFFFL	form feed flag
HBHCFILE	file
HBHCFL	file
HBHCFLD	field
HBHCFLD1	field 1
HBHCFLD2	field 2
HBHCFLD3	field 3
HBHCFLG	flag
HBHCFORM	form
HBHCFTOT	final total
HBHCHDR	header

HBHCHEAD	header
HBHCHERA	hearing @ admission
HBHCHERD	hearing @ discharge
HBHCHOSP	hospital
HBHCI	loop counter
HBHCICD0	ICD Diagnosis node 0
HBHCICDA	primary diagnosis @ admission
HBHCICDD	primary diagnosis @ discharge
HBHCIEIN	internal entry number
HBHCINFO	information
HBHCJ	loop counter
HBHCK	loop counter
HBHCKEEP	keep flag
HBHCL	loop counter
HBHCLIVD	living arrangements @ discharge
HBHCLIVE	living arrangements @ evaluation
HBHCLMTA	caregiver limitations @ admission
HBHCLMTD	caregiver limitations @ discharge
HBHCLNME	last name
HBHCLNTH	length
HBHCLOCK	lock
HBHCLOS	length of stay
HBHCM	loop counter
HBHCMARD	marital status @ discharge
HBHCMARE	marital status @ evaluation
HBHCMOBA	mobility @ admission
HBHCMOBD	mobility @ discharge
HBHCMODA	mood disturbance @ admission
HBHCMODD	mood disturbance @ discharge
HBHCMS	marital status
HBHCMSG	message
HBHCN	name
HBHCNAM	name
HBHCNAME	name
HBHCNBR	number
HBHCNDX	index
HBHCNDX1	index 1
HBHCNDX2	index 2
HBHCNM	name
HBHCNOD0	node 0
HBHCNOD1	node 1
HBHCNODE	node
HBHCNOW	now
HBHCONE	one
HBHCPAGE	page

Variables Used

HBHCPC	piece
HBHCPC1	piece 1
HBHCPC2	piece 2
HBHCPC3	piece 3
HBHCPRCT	percent
HBHCPRV	provider
HBHCPS	period of service
HBHCPSRV	period of service
HBHCPT	patient
HBHCQ	quit flag
HBHCQ1	quit flag 1
HBHCRACE	race
HBHCRC	race
HBHCREC	record
HBHCRECA	receptive communication @ admission
HBHCRECD	receptive communication @ discharge
HBHCREJ	reject/withdraw reason
HBHCREJD	reject/withdraw disposition
HBHCRFLG	rejection data flag
HBHCSCN	SC number (hospital location file internal entry number)
HBHCSEX	sex
HBHCSLDT	select date
HBHCSP1	space 1
HBHCSP10	space 10
HBHCSP16	space 16
HBHCSP2	space 2
HBHCSP4	space 4
HBHCSP6	space 6
HBHCSP62	space 62
HBHCSP69	space 69
HBHCSP89	space 89
HBHCSSN	social security number
HBHCST	state
HBHCSTAT	status
HBHCSTDT	package startup date
HBHCSUB	subscript
HBHCSX	sex
HBHCTDY	today
HBHCTEAM	team
HBHCTFLG	transfer data flag
HBHCTLTA	toilet usage @ admission
HBHCTLTD	toilet usage @ discharge
HBHCTMP	temporary
HBHCTOT	total
HBHCTOV	type of visit

HBHCTRNA	transferring @ admission
HBHCTRND	transferring @ discharge
HBHCTXT	text
HBHCTYP	type
HBHCTYPE	type
HBHCTYPS	type with an "s" (plural)
HBHCUPD	update flag
HBHCVISA	vision @ admission
HBHCVISD	vision @ discharge
HBHCWHO	who
HBHCWHOC	who capitalized
HBHCWHOS	who with an "s" (plural)
HBHCWLKA	walking @ admission
HBHCWLKD	walking @ discharge
HBHCWRD1	word 1
HBHCWRD2	word 2
HBHCWRD3	word 3
HBHCX	scratch
HBHCXMT3	form 3 transmit status
HBHCXMT4	form 4 transmit status
HBHCXMT5	form 5 transmit status
HBHCXREF	cross-reference
HBHCY	"-" underline
HBHCY0	Y(0) data
HBHCZ	"=" underline
HBHCZIP	ZIP code

Variables Used

How to Generate On-Line Documentation

Namespace/File Numbers

The Hospital Based Home Care package namespace is HBHC. All routines, variables, files, templates, and options begin with the HBHC namespace. The file number range is 631 - 634 with data stored in the HBHC global.

On-Line Help

On-line help is available for all fields and options in the package via the use of the one, two, or three question mark(s) convention.

Data Dictionaries

Standard Data Dictionary listings for the package may be found in the "Data Dictionary" section of this manual. The List File Attributes option of FileMan may be used to produce different DD listing formats, if desired.

Menu Diagrams

A Menu Diagram for the package may be found in the "Menu Diagram" section of this manual. See the VA Kernel Technical Manual for information on using the menu diagram options available.

Additional Information

%INDEX may be used to produce additional information on the HBHC routines and variables. The routines selected should be HBHC*. Also see "Variables Used" section of this manual for listing of variables and what they represent.

*Note; When a %INDEX is run there will be a fatal error returned from the data dictionary of both HBHC Make Appointment and HBHC Cancel Appointment if you are using a version of MAS prior to 5.3. This missing line tag (HDLKILL^SDAMEVT) error should be ignored, however, as it is only a test to check for the existence of a line tag and will not be invoked unless this tag exists, causing no actual errors.

Domain Information

This package transmits data to Austin. Verify that patch number XM*DBA*9 has been installed. This patch sets up the Q-HBH domain used by the HBHC package for transmission purposes. (This domain was originally entered for use by the Generic Code Sheet package, but has been authorized for use by this HBHC package.)

Note: The Q-HBH domain and any relay domains for FOC-AUSTIN should be **CLOSED** on the test account to prevent transmission to Austin from the test account. Use FileMan as follows to close a domain:

```
INPUT TO WHAT FILE:  4.2  DOMAIN
EDIT WHICH FIELD: ALL//  1  FLAGS
THEN EDIT FIELD:  <RET>
```

```
Select DOMAIN NAME:  Q-HBH
FLAGS:  C
```

Repeat for all domains necessary.

```
Select DOMAIN NAME:  <RET>
```

Ensure the domains are NOT closed when HBHC is installed in the production account.

Mail Group Information

Mail Group "HBH" is used to receive Austin transmission confirmation messages. It must be a "public" type mail group and there must be "No Authorized Senders". The application coordinator should be a member. If "HBH" does not exist, use FileMan to create the mail group as follows:

```
INPUT TO WHAT FILE:  3.8  MAIL GROUP
EDIT WHICH FIELD: ALL//  .01  NAME
THEN EDIT FIELD:  2  MEMBER      (multiple)
      EDIT WHICH MEMBER SUB-FIELD: ALL// <RET>
THEN EDIT FIELD:  4  TYPE
THEN EDIT FIELD:  <RET>
```

```
Select MAIL GROUP NAME:  HBH
      ARE YOU ADDING "HBH" AS A NEW MAIL GROUP (THE nnTH)?  Y  (YES)
Select MEMBER:  application coordinator's name
Select MEMBER:  <RET>
TYPE:  PU  public

Select MAIL GROUP NAME:  <RET>
```

MailMan Transmission Information

Transmission can occur only when all transmit records have been verified as correct and complete. All records with a "Needs to be Transmitted" value in the Transmit Status Flag field are processed for transmission. Forms 3, 4, and 5 each have a Transmit Status Flag field. The transmit includes all new or corrected Admission and Discharge records, plus all Visit records excluding the previous 7 days.

The 7 day visit window was built in to accommodate those sites that enter visits in the future, instead of after the visit takes place. Transmission cannot occur if records are incomplete. The package considers the following to be incomplete:

- future visits
- current visits without provider and type of visit data
- records with missing data
- records with erroneous data

The visits from the most recent 7 days will be included in the next transmission, thus there will be a 7 day lag time in each month's visit data at Austin (e.g., each transmission will contain 1 week of last month's data and 3 weeks of this month's data). The first transmission to Austin will include only 3 weeks of data.

Any visit dates prior to the Package Startup Date system parameter date will be excluded. (See Package Startup Date System Parameter section for complete information.)

The Transmit File to Austin option should only be run ONCE for each monthly cycle. Austin will assign each site a transmission time.

The Application Coordinator and any other user(s) in the HBH Mail Group (see Mail Group Information section for details) will receive confirmation messages from Austin upon receipt of the electronic transmission by Austin. In the event that no confirmation messages are received within 24 hours of a request being queued, the Application Coordinator should contact their local IRM for assistance in determining why no confirmations have been received. (Domain could be closed, hardware failure, network traffic/troubles, etc.)

Multiple MailMan messages may be generated by the package for each Austin transmission. Each MailMan transmitted contains a maximum of 100 HBHC records to conform to Austin message size specifications. A corresponding confirmation message should be received for every MailMan message sent to Austin.

MailMan Transmission Information (continued)

The subject of the Austin confirmation MailMan message is LTE9999 HBH CONFIRMATION. Sample message text:

Ref: Your HBH message #9999999 with Austin ID #99999999, is assigned confirmation number 999999999999999. (numbers vary on each message)

The data stuffed in the "Form 3/4/5 Batch Initial MM Msg #" fields will always be the MailMan message number of the "first" message of the transmission batch. If 8 messages, with the "first" message number of "9999999", were transmitted. All HBHC Patient and Visit file records will contain "9999999" in the "Form 3/4/5 Batch Initial MM Msg #" fields. All records after the first 100 would be transmitted in a different message. The "Form 3/4/5 Batch Initial MM Msg #" field data is used for tracking a transmission batch versus the actual message number containing the record.

The transmit process is queued as a background job.

(See the Transmission Menu section in the HBHC User Guide for complete transmission details.)

System Parameter Information

The Package Name parameter contains Hospital Based Home Care at installation and is uneditable. The Last Mail Message Date parameter is updated by the package and is uneditable. The Package Startup Date parameter controls excluding visits prior to this parameter date from transmission. The Number of Visit Days to Scan parameter determines the date range of visits included in the automatic HBHC Visit file updating, and the date range of visits displayed for selection by the Visit Data Entry option.

Package Startup Date System Parameter

The Application Coordinator determines the value for the Package Startup Date system parameter field.

Note: The Package Startup Date parameter is IMPORTANT.
Once entered, this date CANNOT be changed.

The Package Startup Date is the "changeover" date for switching from paper visit logs being mailed, to "electronic transmission" of visit records to Austin. This is an either/or situation. Paper visit logs should not be mailed for data entry by Austin, if electronic transmission, of the same visit records, is to occur. This would duplicate the visit workload at Austin, since Austin has no duplicate record check available for visit information.

Any visits prior to the Package Startup Date are not included in HBHC transmissions. For example, Little Rock VAMC entered 6/1/92 as their Package Startup Date. All visit logs prior to 6/1/92 were mailed to Austin for data entry. All visits occurring AFTER 6/1/92 were entered in the HBHC database and electronically transmitted to Austin. No paper visit logs with dates after 6/1/92 were mailed to Austin.

Admission and Discharge records do not use the Package Startup Date parameter. All evaluation/admission (and eventually discharge) records entered in the HBHC database will be transmitted to Austin. Austin checks for duplicate admission/discharge records. The initial transmission to Austin by each site will result in many admission records being rejected as duplicate. The records would exist from previous entry by Austin using paper admission forms. This works as intended, with the Austin rejections expected.

Number of Visit Days to Scan System Parameter

The Application Coordinator determines the value for the Number of Visit Days to Scan system parameter field.

The Number of Visit Days to Scan parameter controls the number of days processed and automatically written to the HBHC Visit file by the Make Appointment option. This field may be edited as needed by the Application Coordinator.

The smallest number of days that will be workable for HBHC data entry procedures is entered. (If visit data is entered primarily on a daily basis, 7 is entered. Thirty-five is entered if visit data is only updated monthly.)

This parameter also determines the date range of visits displayed for selection by the Visit Data Entry option. (See Menus section for menu illustration.)

Hospital Number System Parameter

The Hospital Number System Parameter controls which station name will be displayed in the headings of various HBHC reports and should be set to the site number of the facility as reflected in the Institution file (#4).

Data Storage Requirements

Estimated data storage requirements using Hospital Based Home Care (HBHC) Program at Little Rock Veterans Affairs Medical Center as an example:

File Name	File Number	Record/Bytes	Records/Month
HBHC PATIENT	631	355	5 additions (150 initially)
HBHC REJECT/ WITHDRAW REASON	631.1	60	static (10 initially)
HBHC EXPRESSIVE COMMUNICATION	631.2	81	static (6 initially)
HBHC RECEPTIVE COMMUNICATION	631.3	91	static (6 initially)
HBHC PROVIDER	631.4	36	semi-static (34 initially)
HBHC TYPE OF VISIT	631.5	91	static (7 initially)
HBHC CLINIC	631.6	5	semi-static (8 initially)
HBHC PERIOD OF SERVICE	631.7	32	static (11 initially)
HBHC VALID STATE CODE	631.8	5	semi-static
HBHC SYSTEM PARAMETERS	631.9	17	static (1 only)
HBHC VISIT	632	147	800 additions
HBHC TEAM	633	30	semi-static (3 initially)
HBHC TRANSMIT	634	125	800 per cycle
HBHC EVALUATION/ ADMISSION ERROR(S)	634.1	255	scratch
HBHC VISIT ERROR(S)	634.2	255	scratch

Data Storage Requirements

File Name	File Number	Record/Bytes	Records/Month
=====	=====	=====	=====
HBHC DISCHARGE ERROR(S)	634.3	1235	scratch
-----	-----	-----	-----
HBHC FORM 6 CORRECTIONS	634.4	125	limited
-----	-----	-----	-----

Input Templates

Input Template Name	File Name/Number
=====	=====
HBHC DISCHARGE	HBHC PATIENT (631)
-----	-----
HBHC UPDATE DISCHARGE	HBHC PATIENT (631)
-----	-----
HBHC VISIT	HBHC VISIT (632)
-----	-----
HBHC EDIT PROVIDER (631.4)	HBHC PROVIDER (631.4)
-----	-----

The following pages contain detailed listings of the input template logic.

HBHC DISCHARGE Template Logic

```

NAME: HBHC DISCHARGE
READ ACCESS:
WRITE ACCESS:
EDIT WHICH FIELD: K HBHCQ,HBHCQ1
THEN EDIT FIELD: S DIE("NO^")="OUTOK"
THEN EDIT FIELD: 39// DISCHARGE DATE
THEN EDIT FIELD: S HBHCSDT=X
THEN EDIT FIELD: I HBHCSDT="" S $P(^HBHC(631,DA,1),U,18)=" " K
^HBHC(631,"AF","N",DA) I HBHCXMT5]" " K ^HBHC(631,"AF",HBHCXMT5,DA)
THEN EDIT FIELD: S:HBHCSDT]" "
$P(^HBHC(631,DA,1),U,18)="N",^HBHC(631,"AF","N",DA)=" "
THEN EDIT FIELD: K HBHCSDT
THEN EDIT FIELD: 40//ELIGIBILITY @ EVALUATION
DO YOU MEAN "ELIGIBILITY @ EVALUATION" AS A VARIABLE? YES// (YES)
ELIGIBILITY @ DISCHARGE
THEN EDIT FIELD: 41//MARITAL STATUS @ EVALUATION
DO YOU MEAN "MARITAL STATUS @ EVALUATION" AS A VARIABLE? YES// (YES)
MARITAL STATUS @ DISCHARGE
THEN EDIT FIELD: 42//LIVING ARRANGEMENTS @ EVAL
DO YOU MEAN "LIVING ARRANGEMENTS @ EVAL" AS A VARIABLE? YES// (YES) LIVING
ARRANGEMENTS @ D/C
THEN EDIT FIELD: 43// DISCHARGE STATUS
THEN EDIT FIELD: D STATUS^HBHCUTL
THEN EDIT FIELD: 44// TRANSFER DESTINATION
THEN EDIT FIELD: 45// TYPE OF DESTINATION AGENCY
THEN EDIT FIELD: I $D(HBHCQ1) K HBHCQ1 S Y="@1"
THEN EDIT FIELD: 69// CAUSE OF DEATH
THEN EDIT FIELD: I $D(HBHCQ) K HBHCQ S Y=65
THEN EDIT FIELD: @1
THEN EDIT FIELD: 46///^S X=$S($P(^HBHC(631,DA,0),U,47)=" ":
$P(^HBHC(631,DA,0),U,19),1:$P(^HBHC(631,DA,0),U,47))
THEN EDIT FIELD: 46// PRIMARY DIAGNOSIS @ DISCHARGE
DO YOU MEAN "PRIMARY DIAGNOSIS @ ADMISSION" AS A VARIABLE? YES// (YES)
PRIMARY DIAGNOSIS @ DISCHARGE
THEN EDIT FIELD: 70//SECONDARY DIAGNOSES @ ADM
DO YOU MEAN "SECONDARY DIAGNOSES @ ADM" AS A VARIABLE? YES// (YES)
SECONDARY DIAGNOSES @ D/C
THEN EDIT FIELD: 47//VISION @ ADMISSION
DO YOU MEAN "VISION @ ADMISSION" AS A VARIABLE? YES// (YES) VISION @
DISCHARGE
THEN EDIT FIELD: 48//HEARING @ ADMISSION
DO YOU MEAN "HEARING @ ADMISSION" AS A VARIABLE? YES// (YES) HEARING @
DISCHARGE
THEN EDIT FIELD: 49//EXPRESSIVE COMMUNICATION @ ADM
DO YOU MEAN "EXPRESSIVE COMMUNICATION @ ADM" AS A VARIABLE? YES// (YES)
EXPRESSIVE COMMUNICATION @ D/C

```

HBHC DISCHARGE Template Logic (continued)

```

THEN EDIT FIELD: 50//RECEPTIVE COMMUNICATION @ ADM
  DO YOU MEAN "RECEPTIVE COMMUNICATION @ ADM" AS A VARIABLE? YES// (YES)
RECEPTIVE COMMUNICATION @ D/C
THEN EDIT FIELD: 51//BATHING @ ADMISSION
  DO YOU MEAN "BATHING @ ADMISSION" AS A VARIABLE? YES// (YES) BATHING @
DISCHARGE
THEN EDIT FIELD: 52//DRESSING @ ADMISSION
  DO YOU MEAN "DRESSING @ ADMISSION" AS A VARIABLE? YES// (YES) DRESSING @
DISCHARGE
THEN EDIT FIELD: 53//TOILET USAGE @ ADMISSION
  DO YOU MEAN "TOILET USAGE @ ADMISSION" AS A VARIABLE? YES// (YES) TOILET
USAGE @ DISCHARGE
THEN EDIT FIELD: 54//TRANSFERRING @ ADMISSION
  DO YOU MEAN "TRANSFERRING @ ADMISSION" AS A VARIABLE? YES// (YES)
TRANSFERRING @ DISCHARGE
THEN EDIT FIELD: 55//EATING @ ADMISSION
  DO YOU MEAN "EATING @ ADMISSION" AS A VARIABLE? YES// (YES) EATING @
DISCHARGE
THEN EDIT FIELD: 56//WALKING @ ADMISSION
  DO YOU MEAN "WALKING @ ADMISSION" AS A VARIABLE? YES// (YES) WALKING @
DISCHARGE
THEN EDIT FIELD: 57//BOWEL CONTINENCE @ ADMISSION
  DO YOU MEAN "BOWEL CONTINENCE @ ADMISSION" AS A VARIABLE? YES// (YES)
BOWEL CONTINENCE @ DISCHARGE
THEN EDIT FIELD: 58//BLADDER CONTINENCE @ ADMISSION
  DO YOU MEAN "BLADDER CONTINENCE @ ADMISSION" AS A VARIABLE? YES// (YES)
BLADDER CONTINENCE @ DISCHARGE
THEN EDIT FIELD: 59//MOBILITY @ ADMISSION
  DO YOU MEAN "MOBILITY @ ADMISSION" AS A VARIABLE? YES// (YES) MOBILITY @
DISCHARGE
THEN EDIT FIELD: 60//ADAPTIVE TASKS @ ADMISSION
  DO YOU MEAN "ADAPTIVE TASKS @ ADMISSION" AS A VARIABLE? YES// (YES)
ADAPTIVE TASKS @ DISCHARGE
THEN EDIT FIELD: 61//BEHAVIOR PROBLEMS @ ADMISSION
  DO YOU MEAN "BEHAVIOR PROBLEMS @ ADMISSION" AS A VARIABLE? YES// (YES)
BEHAVIOR PROBLEMS @ DISCHARGE
THEN EDIT FIELD: 62//DISORIENTATION @ ADMISSION
  DO YOU MEAN "DISORIENTATION @ ADMISSION" AS A VARIABLE? YES// (YES)
DISORIENTATION @ DISCHARGE
THEN EDIT FIELD: 63//MOOD DISTURBANCE @ ADMISSION
  DO YOU MEAN "MOOD DISTURBANCE @ ADMISSION" AS A VARIABLE? YES// (YES) MOOD
DISTURBANCE @ DISCHARGE
THEN EDIT FIELD: 64//CAREGIVER LIMITATIONS @ ADM
  DO YOU MEAN "CAREGIVER LIMITATIONS @ ADM" AS A VARIABLE? YES// (YES)
CAREGIVER LIMITATIONS @ D/C
THEN EDIT FIELD: 65// PERSON COMPLETING D/C FORM
THEN EDIT FIELD: 66// DATE DISCHARGE FORM COMPLETED

```

HBHC UPDATE DISCHARGE Template Logic

```

NAME: HBHC UPDATE DISCHARGE
READ ACCESS:
WRITE ACCESS:
EDIT WHICH FIELD: S X=$P(^HBHC(631,HBHCDFN,0),U,44)
THEN EDIT FIELD: D STATUS^HBHCUTL
THEN EDIT FIELD: 44// TRANSFER DESTINATION
THEN EDIT FIELD: 45// TYPE OF DESTINATION AGENCY
THEN EDIT FIELD: @1
THEN EDIT FIELD: 46///^S X=$S($P(^HBHC(631,DA,0),U,47)="":
$P(^HBHC(631,DA,0),U,19),1:$P(^HBHC(631,DA,0),U,47))
THEN EDIT FIELD: 46// PRIMARY DIAGNOSIS @ DISCHARGE
DO YOU MEAN "PRIMARY DIAGNOSIS @ ADMISSION" AS A VARIABLE? YES// (YES)
PRIMARY DIAGNOSIS @ DISCHARGE
THEN EDIT FIELD: 47//VISION @ ADMISSION
DO YOU MEAN "VISION @ ADMISSION" AS A VARIABLE? YES// (YES) VISION @
DISCHARGE
THEN EDIT FIELD: 48//HEARING @ ADMISSION
DO YOU MEAN "HEARING @ ADMISSION" AS A VARIABLE? YES// (YES) HEARING @
DISCHARGE
THEN EDIT FIELD: 49//EXPRESSIVE COMMUNICATION @ ADM
DO YOU MEAN "EXPRESSIVE COMMUNICATION @ ADM" AS A VARIABLE? YES// (YES)
EXPRESSIVE COMMUNICATION @ D/C
THEN EDIT FIELD: 50//RECEPTIVE COMMUNICATION @ ADM
DO YOU MEAN "RECEPTIVE COMMUNICATION @ ADM" AS A VARIABLE? YES// (YES)
RECEPTIVE COMMUNICATION @ D/C
THEN EDIT FIELD: 51//BATHING @ ADMISSION
DO YOU MEAN "BATHING @ ADMISSION" AS A VARIABLE? YES// (YES) BATHING @
DISCHARGE
THEN EDIT FIELD: 52//DRESSING @ ADMISSION
DO YOU MEAN "DRESSING @ ADMISSION" AS A VARIABLE? YES// (YES) DRESSING @
DISCHARGE
THEN EDIT FIELD: 53//TOILET USAGE @ ADMISSION
DO YOU MEAN "TOILET USAGE @ ADMISSION" AS A VARIABLE? YES// (YES) TOILET
USAGE @ DISCHARGE
THEN EDIT FIELD: 54//TRANSFERRING @ ADMISSION
DO YOU MEAN "TRANSFERRING @ ADMISSION" AS A VARIABLE? YES// (YES)
TRANSFERRING @ DISCHARGE
THEN EDIT FIELD: 55//EATING @ ADMISSION
DO YOU MEAN "EATING @ ADMISSION" AS A VARIABLE? YES// (YES) EATING @
DISCHARGE
THEN EDIT FIELD: 56//WALKING @ ADMISSION
DO YOU MEAN "WALKING @ ADMISSION" AS A VARIABLE? YES// (YES) WALKING @
DISCHARGE
THEN EDIT FIELD: 57//BOWEL CONTINENCE @ ADMISSION
DO YOU MEAN "BOWEL CONTINENCE @ ADMISSION" AS A VARIABLE? YES// (YES)
BOWEL CONTINENCE @ DISCHARGE
THEN EDIT FIELD: 58//BLADDER CONTINENCE @ ADMISSION

```

HBHC UPDATE DISCHARGE Template Logic (continued)

DO YOU MEAN "BLADDER CONTINENCE @ ADMISSION" AS A VARIABLE? YES// (YES)
 BLADDER CONTINENCE @ DISCHARGE
 THEN EDIT FIELD: 59//MOBILITY @ ADMISSION
 DO YOU MEAN "MOBILITY @ ADMISSION" AS A VARIABLE? YES// (YES) MOBILITY @
 DISCHARGE
 THEN EDIT FIELD: 60//ADAPTIVE TASKS @ ADMISSION
 DO YOU MEAN "ADAPTIVE TASKS @ ADMISSION" AS A VARIABLE? YES// (YES)
 ADAPTIVE TASKS @ DISCHARGE
 THEN EDIT FIELD: 61//BEHAVIOR PROBLEMS @ ADMISSION
 DO YOU MEAN "BEHAVIOR PROBLEMS @ ADMISSION" AS A VARIABLE? YES// (YES)
 BEHAVIOR PROBLEMS @ DISCHARGE
 THEN EDIT FIELD: 62//DISORIENTATION @ ADMISSION
 DO YOU MEAN "DISORIENTATION @ ADMISSION" AS A VARIABLE? YES// (YES)
 DISORIENTATION @ DISCHARGE
 THEN EDIT FIELD: 63//MOOD DISTURBANCE @ ADMISSION
 DO YOU MEAN "MOOD DISTURBANCE @ ADMISSION" AS A VARIABLE? YES// (YES) MOOD
 DISTURBANCE @ DISCHARGE
 THEN EDIT FIELD: 64//CAREGIVER LIMITATIONS @ ADM
 DO YOU MEAN "CAREGIVER LIMITATIONS @ ADM" AS A VARIABLE? YES// (YES)
 CAREGIVER LIMITATIONS @ D/C

HBHC VISIT Template Logic

NAME: **HBHC VISIT**

READ ACCESS:

WRITE ACCESS:

EDIT WHICH FIELD: S HBHCXMT4=\$P(^HBHC(632,DA,0),U,8) I
(HBHCXMT4)]"")&(HBHCXMT4="N") S

HBHCDFN=DA,HBHCDPT=\$P(^HBHC(632,DA,0),U),HBHCFORM=4 D FORMMSG^HBHCUTL1 K
HBHCDFN,HBHCFORM,HBHCPRCT

THEN EDIT FIELD: K HBHCXMT4

THEN EDIT FIELD: 3// PROVIDER

THEN EDIT FIELD: 4// TYPE OF VISIT

THEN EDIT FIELD: 5// COMMENTS

HBHC EDIT PROVIDER (631.4) Template Logic

NAME: HBHC EDIT PROVIDER (631.4)
READ ACCESS:
WRITE ACCESS:
EDIT WHICH FIELD: 1// PROVIDER NAME
THEN EDIT FIELD: 2// DEGREE
THEN EDIT FIELD: 3// GRADE/STEP
THEN EDIT FIELD: 4// FTEE ON HBHC
THEN EDIT FIELD: 5// HBHC TEAM

Glossary

Case Manager	HBHC provider who is assigned responsibility for coordinating a specific patient and caregiver's care.
DHCP	Decentralized Hospital Computer Program, as used by the Veterans Administration.
Form 3	Evaluation/Admission data entry form.
Form 4	Visit Log data entry form.
Form 5	Discharge data entry form.
Form 6	Correction data entry form.
HBHC	Hospital Based Home Care.
HBHC System	Information HBHC software package.
Stuff	To place values directly into a field, usually with no user interaction.
Team	An interdisciplinary group of staff who care for a specific group of HBHC patients. Some HBHCs are composed of only one team; some have two teams, others three or more.

File Security Access

NUMBER	NAME	DD	RD	WR	DEL	LAYGO	AUDIT

631	HBHC PATIENT	@	@	@	@	@	@
631.1	HBHC REJECT/WITHDRAWAL REASON	@	@	@	@	@	@
631.2	HBHC EXPRESSIVE COMMUNICATION	@	@	@	@	@	@
631.3	HBHC RECEPTIVE COMMUNICATION	@	@	@	@	@	@
631.4	HBHC PROVIDER	@	@	@	@	@	@
631.5	HBHC TYPE OF VISIT	@	@	@	@	@	@
631.6	HBHC CLINIC	@	@	@	@	@	@
631.7	HBHC PERIOD OF SERVICE	@	@	@	@	@	@
631.9	HBHC SYSTEM PARAMETER						
632	HBHC VISIT	@	@	@	@	@	@
633	HBHC TEAM	@	@	@	@	@	@
634	HBHC TRANSMIT		@	@	@	@	@
634.1	HBHC EVALUATION/ADMISSION ERRORS	@	@	@	@	@	@
634.2	HBHC VISIT ERRORS	@	@	@	@	@	@
634.3	HBHC DISCHARGE ERROR(S)	@	@	@	@	@	@
634.4	HBHC FORM 6 CORRECTIONS	@	@	@	@	@	@

Data Dictionary and Audit access are reserved for the IRM staff. The above example is a suggestion of how the file access should be allocated. Each HBHC Program will need to determine the proper access level for their users.

Delete access should NOT be allowed on any HBHC files since these files point to or are referenced by other files. (See HBHC Package Security Guide for additional information.)

Department of Veterans Affairs
Decentralized Hospital Computer Program

HOSPITAL BASED HOME CARE TECHNICAL MANUAL

Version 1.0
November 1993

Hines Information Systems Center
Chicago, Illinois

Preface

The Hospital Based Home Care (HBHC) package is a Decentralized Hospital Computer Program (DHCP) software application developed for use by the HBHC Program at the Department of Veterans Affairs medical centers. The package includes data collection, electronic record transmission to Austin, and report generation capabilities.

This technical manual is designed for use by the Information Resources Management (IRM) technical staff and provides information necessary to maintain and troubleshoot version 1.0 of the HBHC package.

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